

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17336
Exam Date: 08/14/2023

1. Current Owner:
KAREN L COOPER PO BOX 583 RATHDRUM ID 83858-0583 AND/OR
SANDRA DERBY PO BOX 583 RATHDRUM ID 83858-0583
2. Accompanied by: Karen Cooper
Phone No: 208-518-9381
Address: Same as above
Relationship to permit Holder: Permit Holder

3. **SOURCE:**
RATHDRUM CREEK

Tributary
SINKS

Method of Determination: ArcMap and DRG.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-14017	GROUNDWATER	DOMESTIC	DECREED

Comments: Decreed Right 95-14017 is owned by the applicant and uses a groundwater well for domestic use. This is a separate system and beneficial use than the surface water irrigation system, and while each Right's POU(s) overlap one another there is no concern for overlap between the two rights. I don't recommend condition X35 for licensing purposes.

2. Other water rights with the same point-of-diversion: NO Overlap

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

RATHDRUM CREEK NW¼ NE¼, Sec. 30, Twp 52N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS; POD is a screened intake with pump portable jet pump located at -116°52.8112, 47°49.8090.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	04W	30		0.7															0.7

Total Acres: 0.7

Method of Determination: Beneficial use field examination and ArcMap aerial imagery.

3.
 - ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 - ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 - ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
 - ☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PORTABLE PUMP	SEARS	0.5	390.260292	CRAFTSMAN	5/8 GARDEN HOSE

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurements required for an in-office exam.

E. FLOW CALCULATIONS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

F. DIVERSION RATES

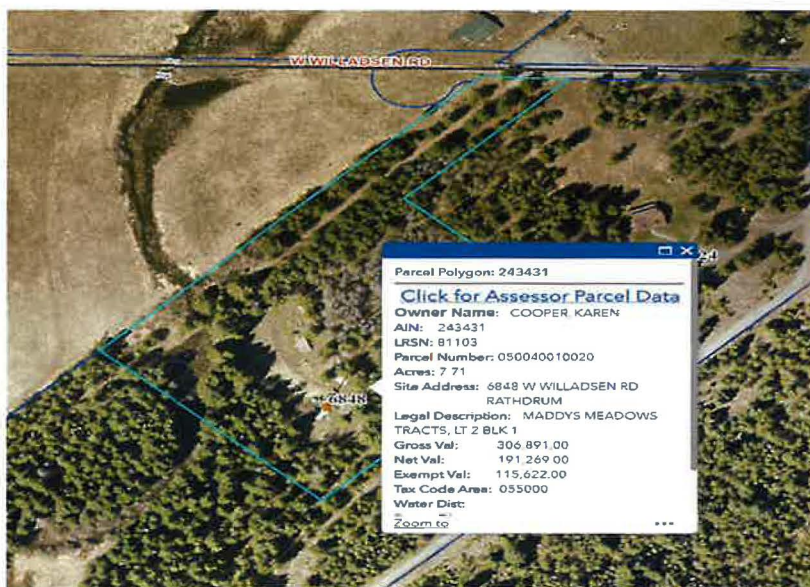
The diversion rate for this irrigation right is limited to **0.03 CFS** or no more than 15.7 GPM.

G. VOLUME CALCULATIONS

This right incorporates a surface water source & doesn't receive an annual volume or maximum diversion volume on the face of the license. Condition X31 describes the annual volume for this irrigation right is limited to = **2.1 AF**.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house field examination. A drive-by exam was conducted on 8/14/2023 to obtain photographs of the POU, validate the irrigation acreage, & GPS the POD. Kootenai County tax parcel data validate ownership of parcel RP050040010020, located at Lot 2, Block 1; Maddy's Meadows Tracts Subdivision, in the applicant's name - Karen Cooper (and/or as designated on the Permit):



Retrieved from www.gis.kcgov.us on 1/2/2024

The Permit's water use from Rathdrum Creek falls within Water District 95C, and it was identified during the exam that the Watermaster notified the applicant to turn off for the season on 10 August 2023. The applicant did leave the pump and pipeline in place to facilitate the exam prior to pulling it for the year, but flow measurements were not taken during the site visit.

At the POD, a screened ¾ inch intake pipe in creek routes to a ½ HP Craftsman portable jet pump, which is capable of producing 0.03 cfs by 5/8 inch garden hose discharge port to the irrigation POU. The permit authorized **0.03 cfs** and I'm recommending this rate for licensing approval. From the POD, several garden hose runs to portable sprinklers are used to irrigate lawn space, garden, and berry bushes around the applicant's home. I used field maps to trace out the irrigation acreage, and during licensing review ArcMap aerial imagery was used to accurately trace out the POU consisting of 0.7 acres irrigation. The department standard of 3.0 afa was used to establish the annual volume recommended for the license which equals **2.1 af** as reflected in condition X31 for license approval.

Condition 26A was removed from the permit and condition R66 replaced with X31 during licensing review. I added condition X60 which describes the beneficial use of irrigation water occurring within a named subdivision lot. All other conditions on the permit are being carried forward to licensing. The applicant owns Decreed Right 95-14017 which uses a groundwater well for domestic use 1 home on the applicant's property, but as discussed above there is no overlapping water right concerns between the two Rights. There are no additional overlap concerns toward licensing this water right.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
IRRIGATION	03/15 to 11/15	0.03 CFS

Totals: 0.03 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Luke Bates -

Field Examiner's Name

[Signature]

Date

1/2/2024

Reviewer

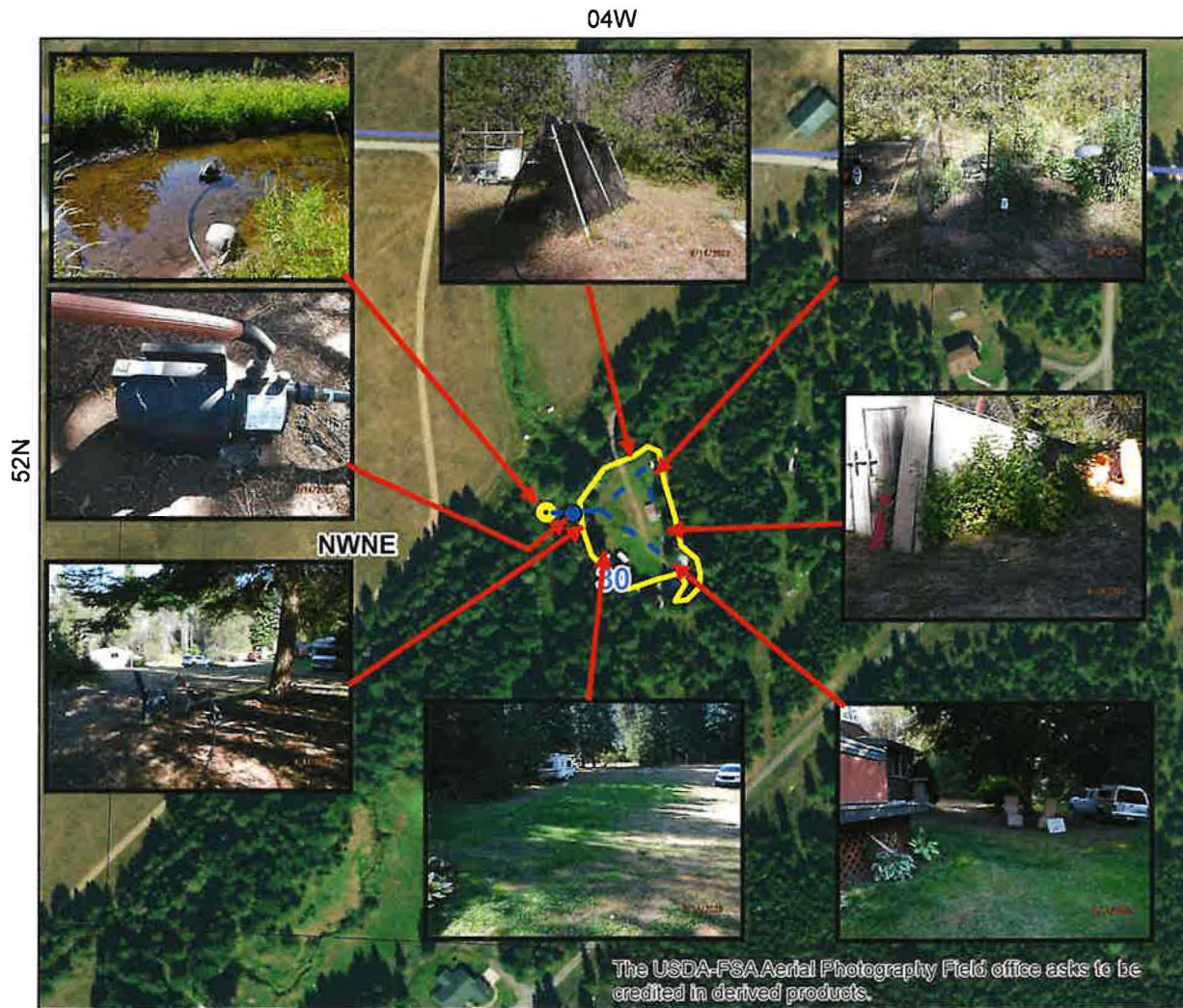
[Signature]

Date

6/7/2024

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17336

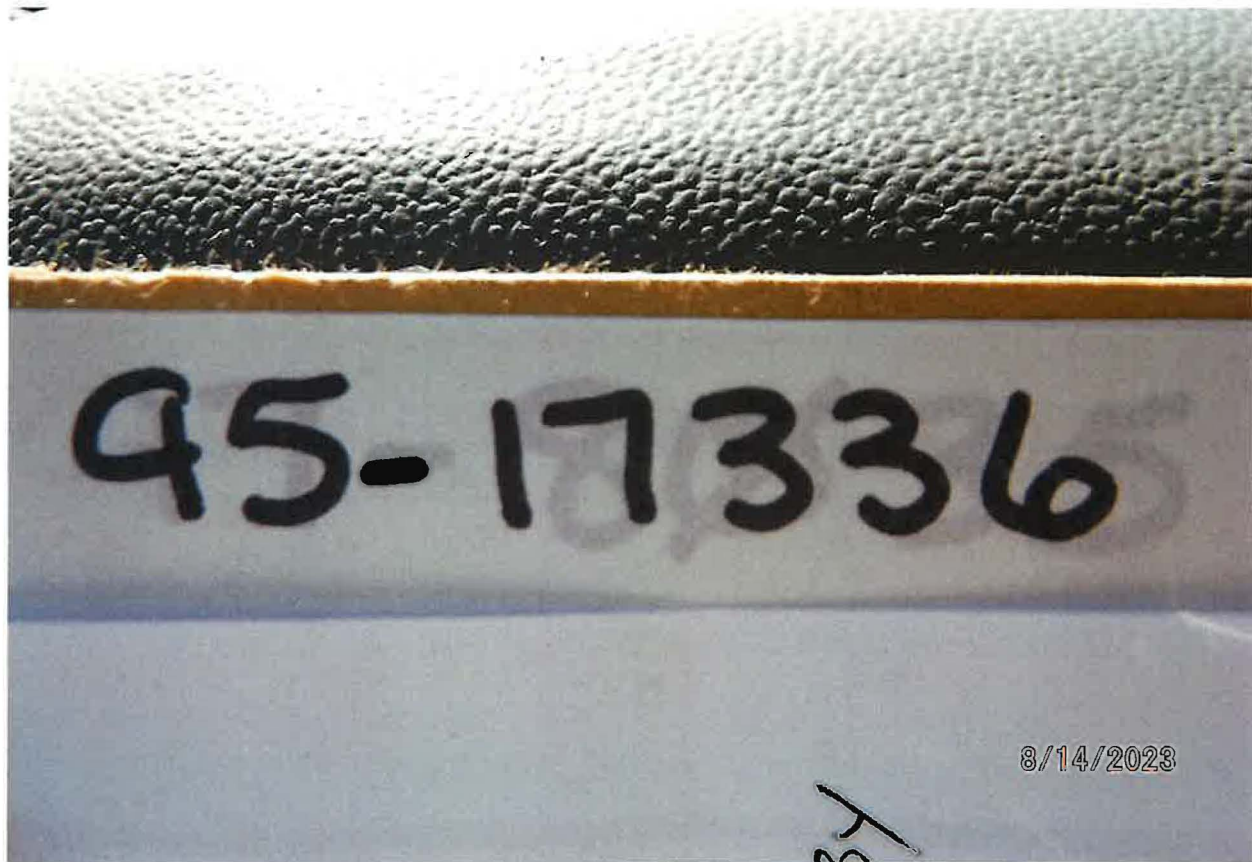
This map depicts the IRRIGATION system diagram.



0 0.035 0.07 0.14 Miles

-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion





BENEFICIAL USE FIELD EXAM DATE 8/14/2023



POD – SCREENED INTAKE WITH ¾" POLY PIPE ROUTED TO PUMP



POD – CRAFTSMAN ½ HP PUMP WITH 5/8" HOSE DISCHARGE





IRRIGATION POU – HOSE & ASSORTED SPRINKLER FOR LAWN, LANDSCAPE, SMALL GARDEN AREA





IRRIGATION POU





IRRIGATION POU – GARDEN SPACE





BERRY BUSHES IRRIGATED BY HOSE THROUGHOUT THE SEASON OF USE